

## ABSTRACT OF THE INVENTION

**[0036]** The intermittent linear motor of this invention incorporates features which enhance the exhaust scavenging and cooling processes, as well as simplifying overall construction including a compression plenum below the piston where air displaced during a power stroke by the piston is immediately transferred through the combustion chamber allowing said compressed air to immediately begin scavenging exhaust gases as the piston is returned further displacing spent gases from the motor.